Applied Physics B Photophysics and Laser Chemistry

© Springer-Verlag 1986

Contents

Aizu, Y., see Ushizaka, T., et al. 97
Asakura, T., see Ushizaka, T., et al. 97
Baklanov, E. V., Chebotayev, V. P.: Resonant Light Absorption by the Ordered Structures of Ions Stored in a Trap 179
Benetti, P., see Broglia, M., et al. 73
Billardon, M., Coïsson, R., Lapierre, Y.: Harmonic Generation from a Multimode Laser in an Optical Klystron 9
Bramwell, S. R., see Kane, D. M., et al. 171
Brieger, M., see Buesener, H., et al. 77
Brito Cruz, C. H., see Lazzaro, P. Di, et al. 131
Broglia, M., Zampetti, P., Benetti, P.: Single Longitudinal Mode Interaction Between a Uranium Atomic Beam and a Modified Hänsch-Type Pulsed Dye Laser 73
Buesener, H., Renn, A., Brieger, M., Moers, F. von, Hese, A.: Frequency Doubling of cw Ring-Dye-Laser Radiation in Lithium Iodate Crystals 77
Chebotayev, V. P., see Baklanov, E. V 179
Chirikov, S., see Kornilov, S., et al. 135
Coïsson, R., see Billardon, M., et al. 9
Cutler, L. S., Flory, C. A., Giffard, R. P., McGuire, M. D.: Doppler Effects due to Thermal Macromotion of Ions in an rf Quadrupole Trap 251
Dève, H., see Rohart, F., et al. 19
Dick, B., see Marowsky, G., et al. 47
Dinev, S. G., Koprinkov, I. G., Stefanov, I. L.: Molecular Enhanced Four-Wave Parametric Generation in Sodium Atom 65
Döbele, H. F., Hörl, M., Rõwekamp, M., Reimann, B.: Detection of Atomic Oxygen by Laser-Induced Fluorescence Spectroscopy at 130 nm 91
Drees, F. W., see Rupp, R. A. 223
Ernsting, N. P., Nikolaus, B.: Dye-Laser Pulse Shortening by Transient Absorption Following Excited-State Intramolecular Proton Transfer 155
Evans, D. K., see Nicol, G. R., et al. 29
Ferguson, A. I., see Kane, D. M., et al. 171
Flory, C. A., see Cutler, L. S., et al. 251
Frey, R., see Michau, V., et al. 219
Fukasawa, T., see Suzuki, T., et al. 247
Fuß, W., see Zhang Linyang, et al. 117
Gierulski, A., see Marowsky, G., et al. 47
Giffard, R. P., see Cutler, L. S., et al. 251
Gong Mengxiong, see Zhang Linyang, et al. 117
Gomes, A. S. L., Sibbett, W., Taylor, J. R.: Spectral and Temporal Study of Picosecond-Pulse Propagation in a Single-Mode Optical Fibre 43
Guanchang Cheng, see Yulin Li, et al. 107
Harbecke, B.: Coherent and Incoherent and Transmission of Multilayer Structures 165
Hese, A., see Buesener, H., et al. 77
Hörl, M., see Döbele, H. F., et al. 91
Hoggan, S., see Robertson, N. A., et al. 149
Hough, J., see Robertson, N. A., et al. 149
Ignjatijević, D., see Mendaš, I., et al. 195
Jialin Jiang, see Yulin Li, et al. 107
Jianhua Lu, see Yulin Li, et al. 107
Kaiser, J. H., Kranz, J.: Ellipsometric Measurement of Magnetooptical Nonreciprocal Effects 15
Kajita, M., see Tachikawa, M., et al. 83
Kane, D. M., Bramwell, S. R., Ferguson, A. I.: FM Dye Lasers 171
Kaschke, M., Stamm, U., Vogler, K.: Subpicosecond Pulse Generation in Synchronously Pumped Energy Transfer Dye Lasers 183
Kasuya, T., see Suzuki, T., et al. 247
Kohles, N., Laubereau, A.: Polarization Effects of Picosecond CARS in Liquids 141
Koprinkov, I. G., see Dinev, S. G., et al. 65
Kornilov, S., Protsenko, E., Chirikov, S.: Two-Frequency Waveguide CO_2 Laser for Atmospheric Pollution Monitoring 135
Kranz, J., see Kaiser, J. H. 15
Lakhtakia, A.: On a Fourth-Order Equation for EM Propagation in Chiral Media (Erratum) 260
Lakhtakia, A., see Lakhtakia, M. N. 191
Lakhtakia, M. N., Lakhtakia, A.: On Some Relations for the Inverse Blackbody Radiation Problem 191
Lapierre, Y., see Billardon, M., et al. 9
Laubereau, A., see Kohles, N. 141
Lazzaro, P. Di, Palange, E., Brito Cruz, C. H.: Design of a Self-Injected Unstable Cavity Nd:YAG Laser 131
Lin, M. C., see Umstead, M. E., et al. 55
Lin, M. C., see Umstead, M. E. 61
Linde, D. von der: Characterization of the Noise in Continuously Operating Mode-Locked Lasers (Invited Paper) 201
Lloyd, S. A., see Umstead, M. E., et al. 55
Macke, B., see Rohart, F., et al. 19
Mangan, J. B., see Robertson, N. A., et al. 149
Marowsky, G., Gierulski, A., Dick, B., Sowada, U., Vehrenkamp, R.: Experimental Study of Vibrational and Pure Rotational Coherent Anti-Stokes Raman Scattering (CARS) in Molecular Hydrogen 47
Ma Xingxiao, see Zhang Linyang, et al. 117
McAlpine, R. D., see Nicol, G. R., et al. 29
McGuire, M. D., see Cutler, L. S., et al. 251
Mendaš, I., Vujković Cvijin, P., Ignjatijević, D., Milošević, G.: Amplitude Modulation of the cw Laser Light in the TEM_{oo} Mode by Means of a Mechanical Chopper .. 195
Michau, V., Rougemont, F. de, Frey, R.: Tunable and High-Energy Q-Switched Operation of an Alexandrite Slave Ring Laser 219
Milošević, G., see Mendaš, I., et al. 195
Mittal, J. P., see Parthasarathy, V., et al. 187
Moers, F. von, see Buesener, H., et al. 77

Nicol, G. R., Evans, D. K., McAlpine, R. D.: Pulsed CO_2 Laser Induced Multiphoton Decomposition of Cyclobutanone: A Comparison of Predictions for Three Models of Decomposition Probability vs. Fluence ... 29
Nikolaus, B., see Ernsting, N. P. ... 155
Palange, E., see Lazzaro, P. Di, et al. ... 131
Panajotov, K. P., see Zartov, G. D., et al. ... 111
Parthasarathy, V., Sarkar, S. K., Rama Rao, K. V. S., Mittal, J. P.: Selective ir Lasers Chemistry of CDF_3 Natural Fluoroform ... 187
Peyeva, R. A., see Zartov, G. D., et al. ... 111
Protsenko, E., see Kornilov, S., et al. ... 135
Rama Rao, K. V. S., see Parthasarathy, V., et al. ... 187
Reimann, B., see Döbele, H. F., et al. ... 91
Renn, A., see Buesener, H., et al. ... 77
Robertson, N. A., Hoggan, S., Mangan, J. B., Hough, J.: Intensity Stabilisation of an Argon Laser Using an Electro-Optic Modulator – Performance and Limitations ... 149
Röwekamp, M., see Döbele, H. F., et al. ... 91
Rohart, F., Dève, H., Macke, B.: Saturated Absorption Linewidth: Influence of the Source Frequency Noise . 19
Rougemont, F. de, see Michau, V., et al. ... 219
Rupp, R. A., Drees, F. W.: Light-Induced Scattering in Photorefractive Crystals ... 223
Russell, P. St. J.: Optics of Floquet-Bloch Waves in Dielectric Gratings ... 231
Sarkar, S. K., see Parthasarathy, V., et al. ... 187
Schäfer, F. P.: On Some Properties of Axicons (Invited Paper) ... 1
Sekiguchi, H., see Suzuki, T., et al. ... 247
Shimizu, T., see Tachikawa, M., et al. ... 83
Sibbett, W., see Gomes, A. S. L., et al. ... 43
Sowada, U., see Marowsky, G., et al. ... 47
Stamm, U., see Kaschke, M., et al. ... 183
Stefanov, I. L., see Dinev, S. G., et al. ... 65
Suzuki, T., Fukasawa, T., Sekiguchi, H., Kasuya, T.: Detection of the Optogalvanic Effect in Flames with a Microwave Resonant Cavity ... 247
Tachikawa, M., Tanii, K., Kajita, M., Shimizu, T.: Undamped Undulation Superposed on the Passive Q-Switching Pulse of a CO_2 Laser ... 83
Tanii, K., see Tachikawa, M., et al. ... 83
Taylor, J. R., see Gomes, A. S. L., et al. ... 43
Tiemann, E., see Wolf, U. ... 35
Umstead, M. E., Lloyd, S. A., Lin, M. C.: Laser-Induced Reactions of NO_2 in the Visible Region. II. Kinetic and Mechanistic Study of the NO_2-CO System ... 55
Umstead, M. E., Lin, M. C.: Laser-Induced Reactions of NO_2 in the Visible Region. III. Adamantane Nitration in the Liquid Phase ... 61
Ushizaka, T., Aizu, Y., Asakura, T.: Measurements of Velocity Using a Lenticular Grating ... 97
Vehrenkamp, R., see Marowsky, G., et al. ... 47
Vogler, K., see Kaschke, M., et al. ... 183
Vujković Cvijin, P., see Mendaš, I., et al. ... 195
Wolf, U., Tiemann, E.: Improved Absorption Spectroscopy with Pulsed Lasers ... 35
Xu Yan, see Zhang Linyang, et al. ... 117
Yuan Peng, see Zhang Linyang, et al. ... 117
Yulin Li, Jianhua, Lu, Jialin Jiang, Guanchang Cheng: Time-Domain Pulse Property of Stimulated Raman Scattering in a Multimode Optical Fiber ... 107
Zampetti, P., see Broglia, M., et al. ... 73
Zartov, G. D., Panajotov, K. P., Peyeva, R. A.: Optical Bistability Polarization Dependences with an Interference Modulator ... 111
Zhang Linyang, Zhang Yunwu, Ma Xingxiao, Yuan Peng, Xu Yan, Gong Mengxiong, Fuß, W.: Deuterium Separation by Multiphoton Dissociation of Dichlorofluoromethane ... 117
Zhang Yunwu, see Zhang Linyang, et al. ... 117

Indexed in Current Contents